Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/04/2020 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123927	-1	2.23	124033	2.29
Blue	F	SSC	125000	122036	-3	1.44	122643	1.43
Blue	E	FITC	15892	15205	-5	2.79	330	20.81
Blue	D	PE	29999	29237	-3	1.89	632	14.96
Blue	B	PerCP-Cy5-5	43732	43502	-1	3.6	1169	20.42
Blue	A	PE-Cy7	30845	30660	-1	6.01	584	40.84
Red	C	APC	46112	45652	-1	2.44	1613	11.79
Red	A	APC-Cy7	30458	29886	-2	2.31	794	11.52
Violet	B	V450	7918	7596	-5	4.17	446	13.12
Violet	A	V500	32171	31161	-4	3.9	733	10.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16590	11.35	626	5	N/A	N/A	Pass
Blue	F	SSC	56607	0.93	563	4	N/A	N/A	Pass
Blue	E	FITC	60	63.54	542	-1	0.0179	70	Pass
Blue	D	PE	133	49.96	549	1	0.1569	258	Pass
Blue	B	PerCP-Cy5-5	217	49.42	656	0	0.0089	47	Pass
Blue	A	PE-Cy7	110	99.49	698	0	0.0108	13	Pass
Red	C	APC	389	24.67	582	-2	0.0264	188	Pass
Red	A	APC-Cy7	175	28.05	552	-4	0.0061	1163	Pass
Violet	B	V450	67	58.83	456	-2	0.0451	1809	Pass
Violet	A	V500	107	33.76	472	-2	0.0231	750	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.92	-32.18	1.07
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	17.73	13.60 - 20.40	N/A	N/A	29.22	30.02	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10165

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments